

Epoch

by Arya Akhavan (August 2012)

Angles for R.I. = 1.540

45 + 4 girdles = 49 facets

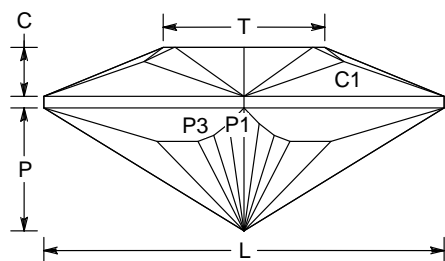
2-fold, mirror-image symmetry

96 index

$L/W = 1.497$ $T/W = 0.604$ $U/W = 0.271$

$P/W = 0.460$ $C/W = 0.183$

$Vol./W^3 = 0.250$



PAVILION

P1	42.67°	01-03-06-09-39-42-45-47-49-51-54-57-87-90-93-95	Cut to centrepoint.
P2	41.00°	12-36-60-84	Meet at centrepoint.
G1	90.00°	09-39-57-87	Cut even pseudogirdle (meet P1; P2)
P3	67.12°	09-39-57-87	Cut level girdle (meet P1, G1; G1, P2)

CROWN

C1	54.76°	09-39-57-87	Set girdle width.
C2	23.96°	18-30-66-78	Meet G1, C1
C3	30.50°	05-43-53-91	Meet G1, C1
C4	27.13°	03-45-51-93	Meet G1, C1, C3
C5	22.87°	17-31-65-79	Meet C1, C2, C3
T	0.00°	Table	Meet C2, C5; C3, C4, C5

Designed for dark amethyst, but can be cut in RI = 1.52 - 2.16 with no changes. Be VERY careful with the P1 facets - they're very easy to overcut! To get a more "standard" reflection pattern (less like a warp drive), omit P2, and for P1, only cut on the (03-06-43-45-51-54-90-93).

Suggested size = 8-15 mm.

C:\Program Files (x86)\GemCAD\Designs (Mine)\Epoch.gem